

Title (en)
Collet style tread brake unit

Title (de)
Hülsenartige Klotzbremseinheit

Title (fr)
Unité de freinage à sabot à élément tubulaire

Publication
EP 1086871 A3 20030212 (EN)

Application
EP 00119732 A 20000909

Priority
US 40188599 A 19990923

Abstract (en)
[origin: EP1086871A2] A brake actuator (90) for use in railway transit and similar vehicles to adjust for wear of braking components located on such vehicles. The brake actuator includes an externally threaded or serrated rod (20) having a longitudinal axis. Such brake actuator further includes power and slack adjusting collets (92,96) disposed on the rod and located in respective housings (100,106) disposed about the collets and rod. A yoke member (27) is disposed about and in engagement with the power collet housing and a first axially translatable bearing (22) is disposed on the yoke member. A second fixed bearing (24) is spaced from the axially translatable bearing and a piston (14) is disposed for movement in a direction generally perpendicular to the longitudinal axis of the rod. The piston has an integral fork-shaped wedge (16) disposed astraddle the threaded or serrated rod for movement to a location between the bearings. The fork-shaped wedge is effective to axially translate the first bearing, yoke member, power collet and rod in a direction perpendicular to the direction of movement of the piston and wedge when the wedge enters between and engages the bearings. <IMAGE>

IPC 1-7
B61H 15/00; **F16D 65/56**; **F16D 65/54**; **F16D 65/32**; **B61H 1/00**

IPC 8 full level
B61H 15/00 (2006.01); **F16D 65/14** (2006.01); **F16D 65/28** (2006.01); **F16D 65/54** (2006.01); **F16D 65/56** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [Y] US 4337690 A 19820706 - SEVERINSSON LARS M
• [YD] US 5423401 A 19950613 - NOAH LEWIS [US], et al
• [A] US 3100032 A 19630806 - BERTIL LARSSON KARL
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